

What is claimed is:

1. A method for forming a hot melt form for use with an air induction assembly comprising the steps of:

melting a thermal mastic elastomeric material to a liquid form; and

5 applying said liquid elastomeric material to said air induction assembly to create a form.

2. The method as recited in claim 1 further comprising the step blending a gas into said material to form a foamed composition.

3. The method as recited in claim 2 further comprising the step of applying said foamed composition to a base, said foamed composition adhering to said base by a base material consisting of a thermal mastic blend material without a significant amount of gas.

4. The method as recited in claim 3 further comprising the step of applying a cover to said cured foamed material, said foamed material creating a seal between said base and said cover.

5. The method as recited in claim 2 wherein said form creates a bumper between said base and a contact point on said air induction assembly.

6. The method as recited in claim 1 wherein the step of applying said elastomeric material further comprises applying said elastomeric material substantially proximate to a cover neck to create a seal and to secure a mass air flow sensor therein.

7. A method for forming a hot melt form for use with an air induction assembly comprising the steps of:  
 melting a thermal mastic elastomeric material to a liquid form;  
 blending gas into said melted elastomeric material to form a foamed composition;  
 5     applying said foamed composition to a base, said foamed composition adhering to  
       said base by a base material, said base material consisting of a thermal mastic  
       blend material; and  
       curing an upper surface of said hot melt foam.
8. The method as recited in claim 7 wherein said foam creates a seal between said base  
 10     and a cover.
9. The method as recited in claim 8 further comprising the step of removably adhering  
       said cover to said cured form, said form creating a seal.
10. The method as recited in claim 7 wherein said base is a bracket, said form creating a  
       bumper between said base and a contact point.
- 15   11. The method as recited in claim 7 wherein said base material is applied directly to said  
       upper surface of said base.
12. The method as recited in claim 7 wherein said base material is blended into said  
       foamed composition before application of said foamed composition to said base.
13. The method as recited in claim 12 wherein the step of applying said foamed  
 20     composition on said base further comprises dispensing said foamed composition into  
       a hollow mold to shape said foamed composition into a desired shape.
14. The method as recited in claim 7 wherein said gas is nitrogen.

15. A method for forming a hot melt form for use with an air induction assembly comprising the steps of:

melting a thermal mastic elastomeric material to a liquid form; and

applying said elastomeric material substantially proximate to a cover neck of an air

5 induction assembly to create a seal.

16. The method as recited in claim 15 wherein the step of applying said elastomeric material includes dispensing said material into a mold positioned substantially around an interior surface and an exterior surface of said neck.

10 17. The method as recited in claim 16 further comprising the step of inserting a mass air flow sensor within said neck, said form creating a seal.

18. The method as recited in claim 15 wherein the step of applying said elastomeric material includes dispensing said material through an aperture located in said cover neck, said material dispensing on an interior surface of said neck and an exterior surface of said mass air flow sensor.

15